

Material Safety Data Sheet

CARBON DIOXIDE

QUICK IDENTIFIER

Common Name: (used on label and list)

May be used to comply with OSHA's Hazard Communication Standard, 29CFR 1910.1200. Standard must be consulted for specific requirements.

SECTION 1 -

Manufacturer's Name	AMEREX CORPORATION	Emergency Telephone No.	205/655-3271
Address	P. O. Box 81	Other Information Calls	205/655-3271
City, State, and ZIP	TRUSSVILLE, AL 35173-0081	Date Prepared	November 1985
Signature of Person Responsible for Preparation (Optional)	D. H. Ellison		

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) (chemical & common name(s))	OSHA PEL	ACGIH TLV	Other Exposure Limits	% (optional)	CAS NO.
Carbon Dioxide	Unknown	5000 ppm	Unknown	100	124-38-9

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point	At 1 ATM -109°F	Specific Gravity (H ₂ O=1)	N.A.	Vapor Pressure (mm Hg) At 70°F GAS
	Vapor Density (Air = 1)	1.52		
Solubility in Water	At 70°F 1 ATM 0.8 V/V H ₂ O	Reactivity in Water	N.A.	
Appearance and Odor	N.A.	Melting Point	N.A.	

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point	N.A.	F.	C.	Method Used	N.A.	Flammable Limits in Air % by Volume	LEL Lower	N.A.	UEL Upper	N.A.
Auto-Ignition Temperature	N.A.			Extinguisher Media	N.A.					
Special Fire Fighting Procedures	N.A. This material is a fire fighting agent.									

Unusual Fire and Explosion Hazards
N.A.

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability Unstable ☐ Conditions
Stable ☒ to Avoid N.A.

Incompatibility
(Materials to Avoid) N.A.

Hazardous
Decomposition Products None

Hazardous Polymerization May Occur ☐ Conditions
Will Not Occur ☒ to Avoid N.A.

SECTION 6 - HEALTH HAZARDS

1. Acute N.A. 2. Chronic High concentrations can paralyze respiratory center.
Signs and Symptoms of Exposure Increased inhalation will cause increased breathing rate. Unconsciousness and death may result.

Medical Conditions Generally
Aggravated by Exposure N.A.

Chemical Listed as Carcinogen or Potential Carcinogen National Toxicology Program Yes ☐ No ☒ I.A.R.C. Monographs Yes ☐ No ☒ OSHA Yes ☐ No ☒

Emergency and
First Aid Procedures See below.

ROUTES OF ENTRY

1. Inhalation Remove to uncontaminated area. Apply cardiopulmonary resuscitation as needed. Obtain medical assistance.
2. Eyes N.A.
3. Skin N.A.
4. Ingestion N.A.

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken
in Handling and Storage Storage in ventilated area recommended.

Other
Precautions N.A.

Steps to be Taken in Case
Material is Released or Spilled N.A.

Waste Disposal
Methods (Consult federal, state, and local regulations) N.A.

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection
(Specify Type)

Self contained

Ventilation Yes Local Exhaust Yes Mechanical (General) Yes Special No Other No

Protective Gloves Optional Eye Protection Safety glasses

Other Protective
Clothing or Equipment N.A.

Work/Hygienic Practices N.A.